

ELECTRONIC DEVICE

5

ABSTRACT OF THE DISCLOSURE

10 An electronic device which comprises one or more  
functional elements consisting of a high molecular weight  
material which has a steric structure containing one or  
more three-dimensionally disposed modifying functional  
groups, the steric structure on the high molecular weight  
material being known or predictable. In the electronic  
device, the high molecular weight material is a  
15 biopolymer, a synthetic polymer or a combination thereof,  
and the modifying functional groups are selected from the  
group consisting of positive hole-transporting functional  
groups, electron-transporting functional groups and a  
combination thereof. The electronic device includes a  
20 wide variety of devices such as diodes such as  
photodiodes and light-emitting diodes, capacitors,  
resistors and transistors such as bipolar transistors and  
FETs (field effect transistors).